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(54) RECORDING MEDIUM AND TREATMENT THEREOF

(57) Abstract:

PURPOSE: To obtain a clear ink jet recorded image, by providing a lower sheet wherein an ink- receiving layer comprising particulates of a thermoplastic organic polymer and a water base adhesive is provided on a base and an upper sheet wherein a layer of microcapsules enclosing a plasticizer and/or an organic solvent therein is provided on a base.

CONSTITUTION: A fine powder obtained by pulverizing a slurry form plastic pigment or a dried material thereof or a solid plastic by various means, a powder obtained by forming the material into particulates or the like is used as the particulate thermoplastic organic polymer. A water base adhesive is added to the particulate polymer to obtain a coating material, which is

applied to a base, followed by drying to obtain the lower sheet. On the other hand, an organic solvent or a plasticizer or, if required, a mixture thereof is microencapsulated, then an adhesive or the like is added thereto, if required, and the resultant material is applied to a base such as a paper or a film to obtain the upper sheet. After conducting ink jet recording on the coated surface of the lower sheet, the upper sheet is laminated thereon with the coated surface of the upper sheet faced to the coated surface of the lower sheet, and a pressure is applied to the laminate to bring the sheets into close contact with each other, whereby the ink-receiving layer of the lower sheet is dissolved by the transferred solvent to form a transparent film, and an ink jet recording medium excellent in color density and color reproducibility can be obtained.

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